



the RISING FOREST

The site has a huge potential to become a sustainability centre that generates electricity through wind and waves, and operates as a large area of growing forest on the water. The Rising Forest is a dynamic installation that is constantly in movement and flux. 49 arms that are 2 metres wide rises from the seabed off the shores of the Santa Monica pier and stand up to 50 metres above the water level.

The natural water body is transformed into the setting stage of the installation. The movement of the arms are silent, slow and purposeful. The flapping of the tips are reminiscent of leaves fluttering amongst the canopy of a forest. As the energy that is accumulated are transferred to the onshore substation, the arms fall back into the water, like a beast, returning to its underwater hide.

The energy harnessing mechanisms underwater and above water makes the Rising Forest an installation that works with two different sources of renewable energy - wind and tide - to generate power and also to create a moving installation. The lightweight tips have the greatest capacity to harness wind energy when all arms are erect, and the arms will stay in this position for up to 6 hours every day to maximise energy production.

There are a wide range of potential routes for boats. Travelling through the giant artwork will become an iconic offering of Santa Monica.

The rows of arms are slightly offset from one another to ensure that the flapping movements do not affect other arms in the vicinity.